Self-Learning Conversational AI Chatbot Using Natural Language Processing.

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Abstract: *ChatBot has the capability to recognize the specific domain of any query that is posted. Cosine Similarity algorithm is applied here to find the right answer to the user query. The bot itself is intelligent enough to identify the frequently asked unanswered question and notify the same for admin feedback. Once the admin provides a response for it, the bot is enhanced intelligent to look for new set of questions and answers and respond the same to the users in the future. This operation can be configurable in such a way that the system can decide the threshold limit for the unanswered question.*

Keywords: Natural Language Processing, Cosine Similarity Algorithm, Artificial Intelligence, User Interface, Machine Learning

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